

1/20

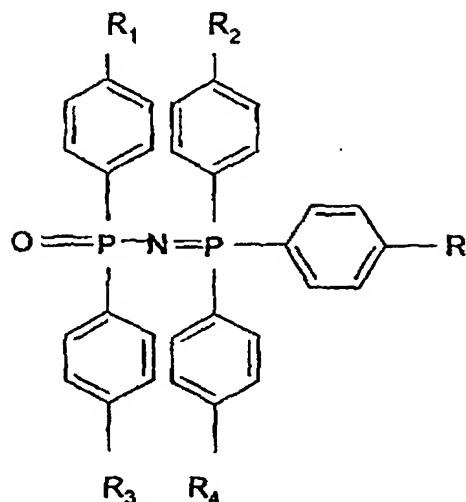


Fig. 1

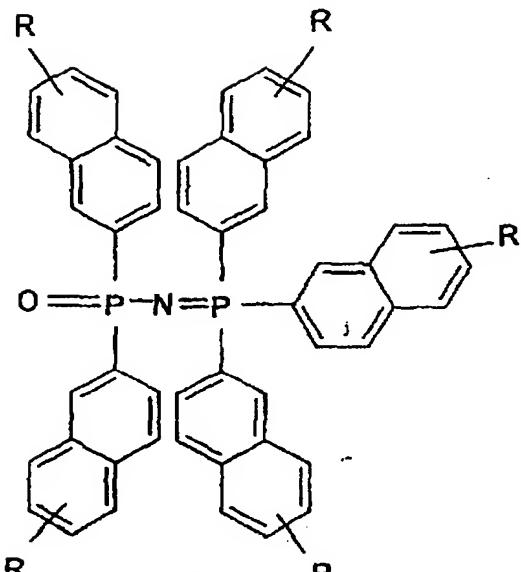


Fig. 2a

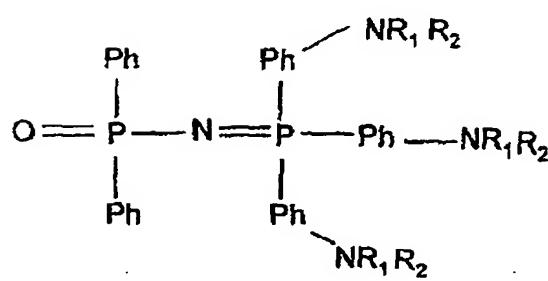


Fig. 2b

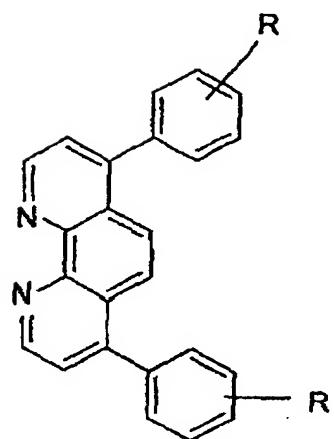


Fig. 3

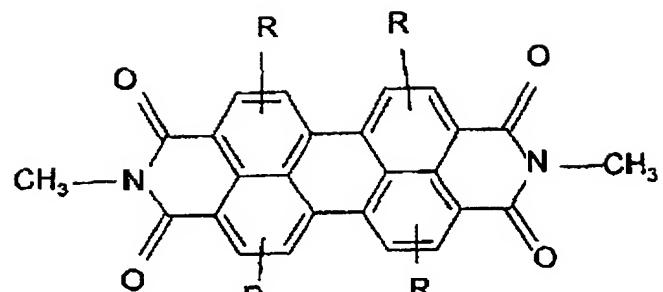


Fig. 4a

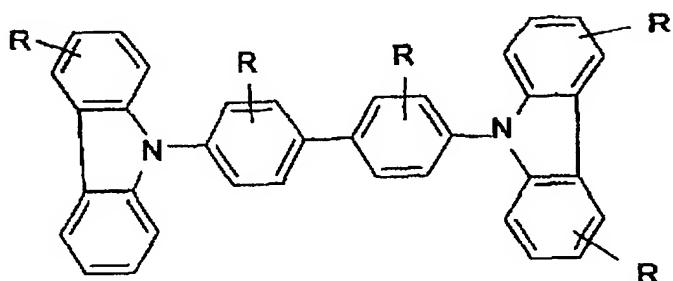


Fig. 4b

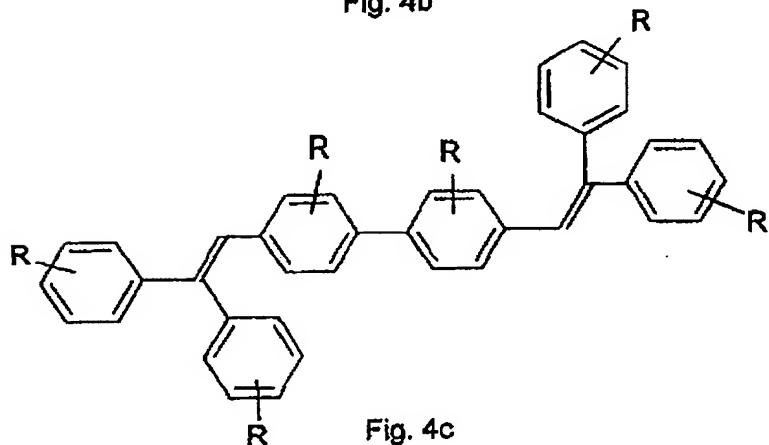


Fig. 4c

3/20

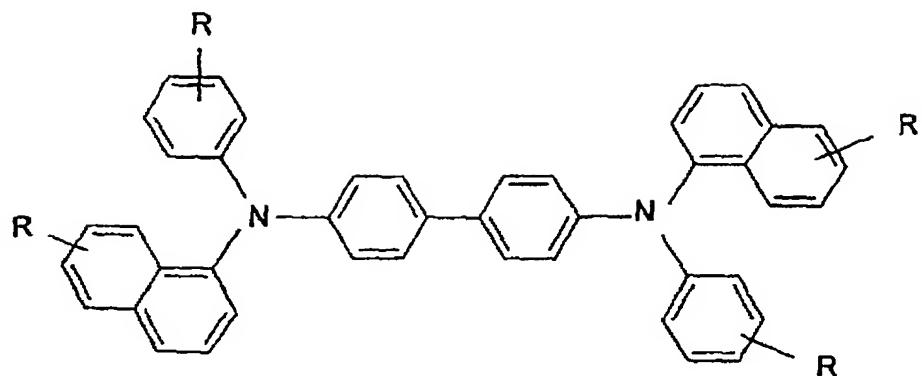


Fig. 4d

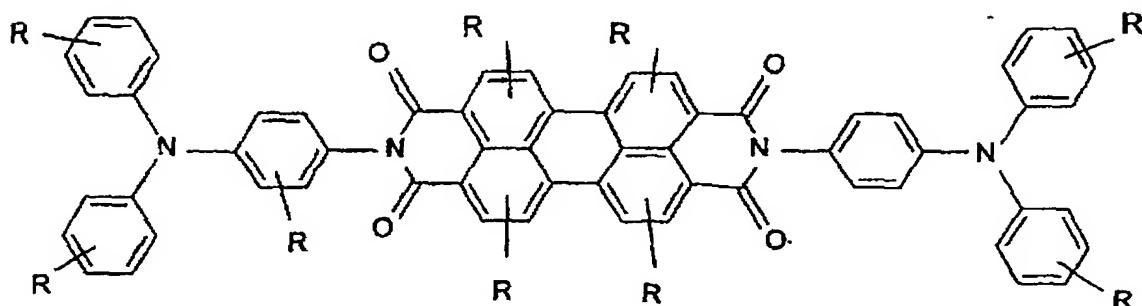


Fig. 4e

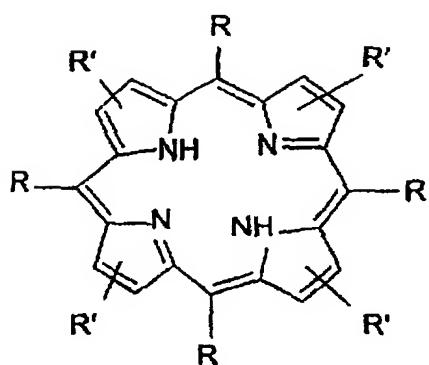


Fig. 4f

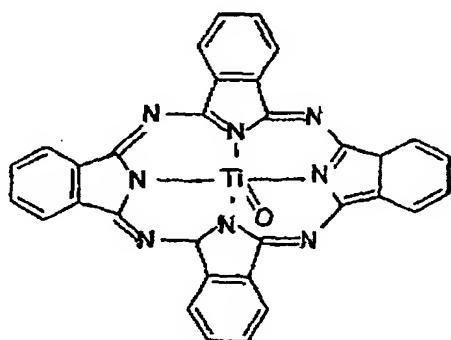


Fig. 4g

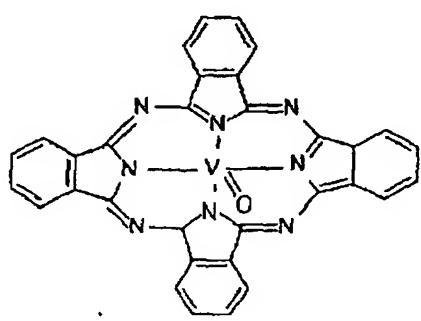


Fig. 4h

4/20

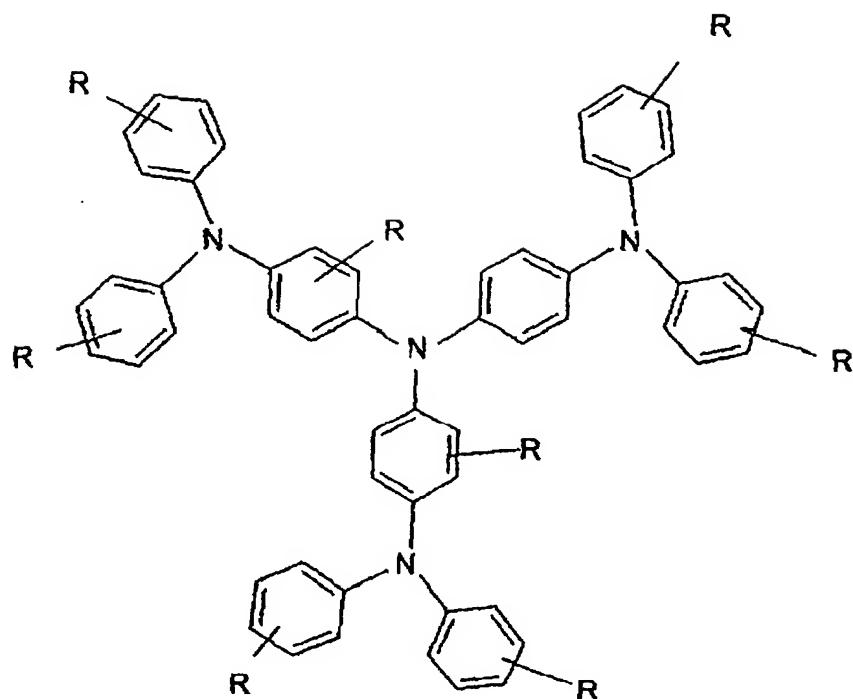


Fig. 4i

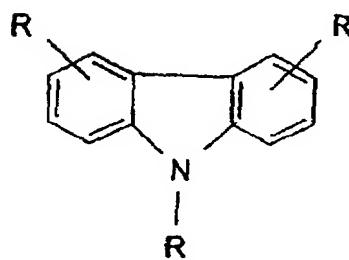


Fig. 4j

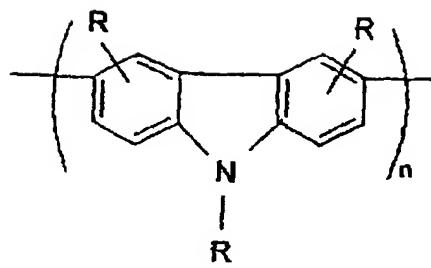


Fig. 4k

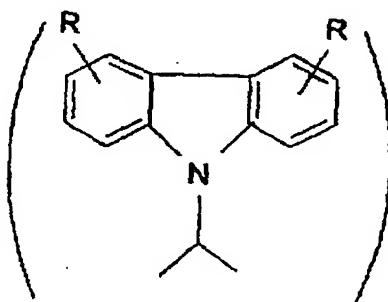


Fig. 4l

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5/20

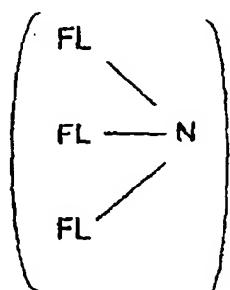


Fig. 5a

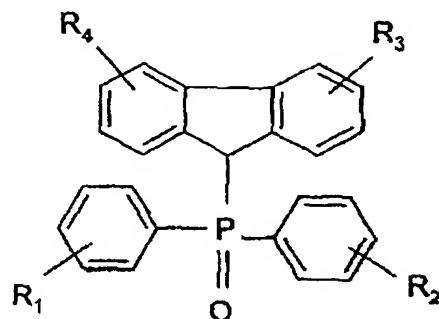


Fig. 5b

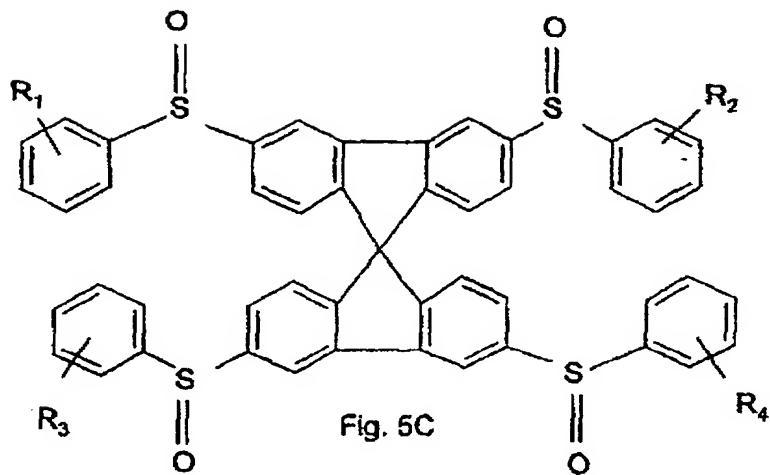


Fig. 5c

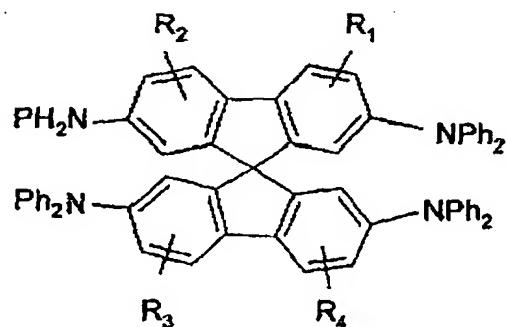


Fig. 5d

6/20

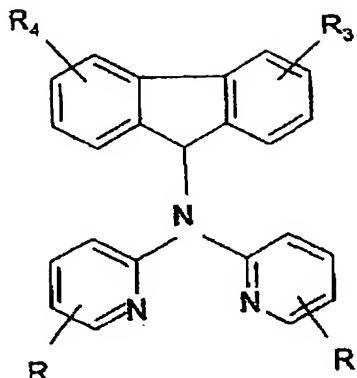


Fig. 5f

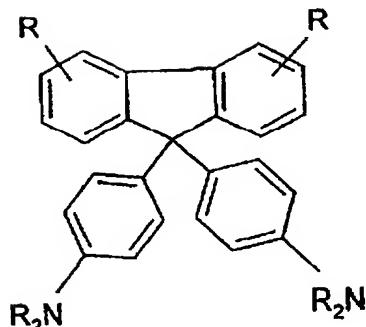


Fig. 5g

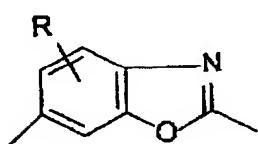


Fig. 6a

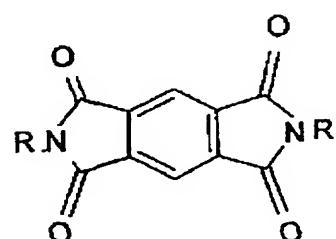


Fig. 6b

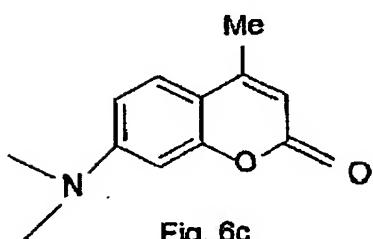


Fig. 6c

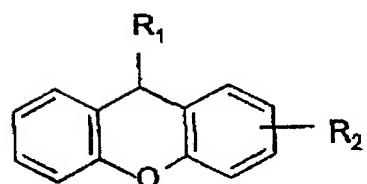


Fig. 6d

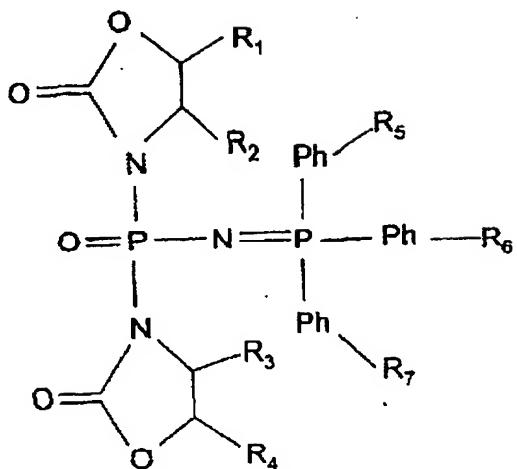


Fig. 6e

7/20

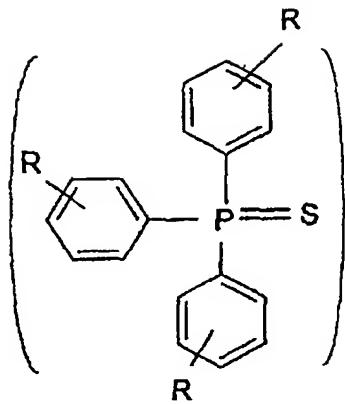


Fig. 7a

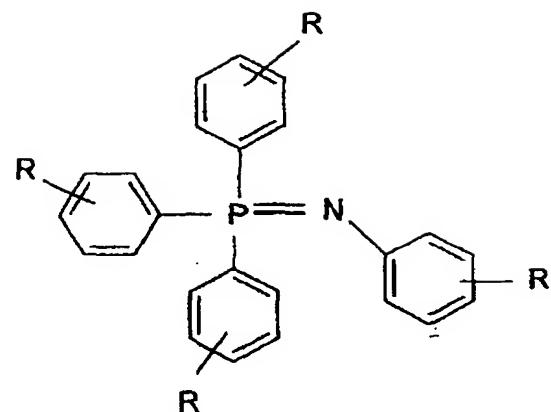


Fig. 7b

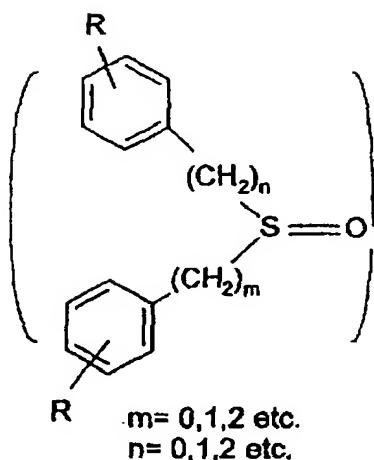


Fig. 7c

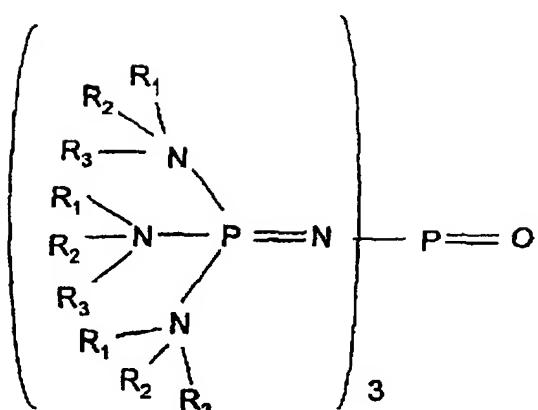


Fig. 7d

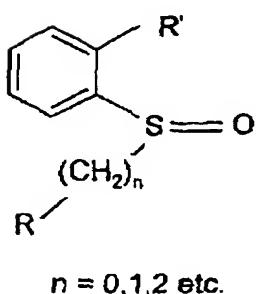


Fig. 7e

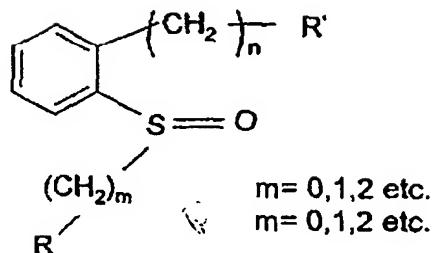


Fig. 7f

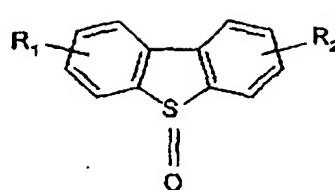


Fig. 8a

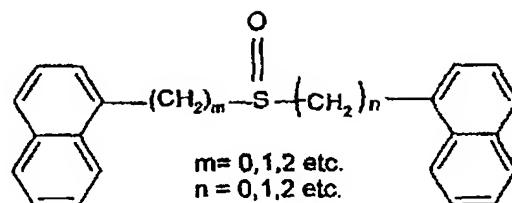


Fig. 8b

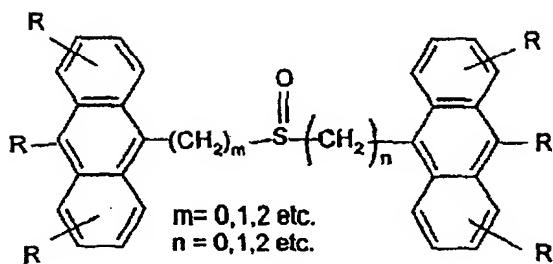


Fig. 8c

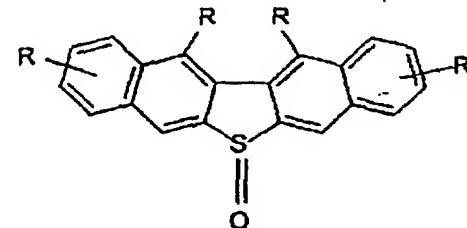


Fig. 8d

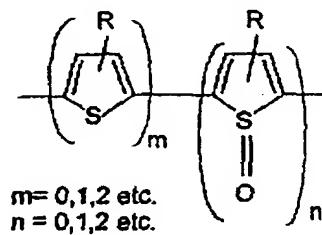


Fig. 8e

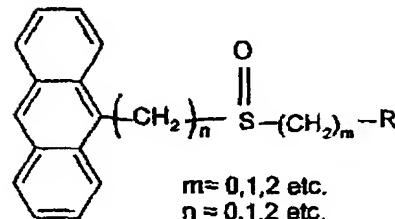


Fig. 8f

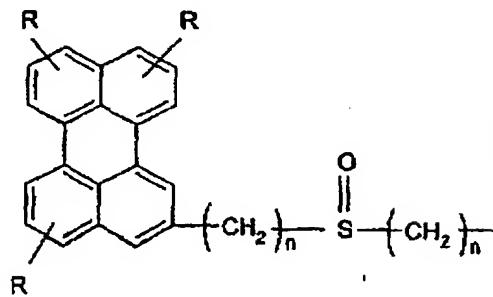


Fig. 8g

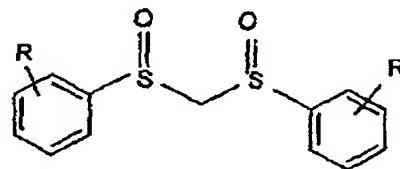
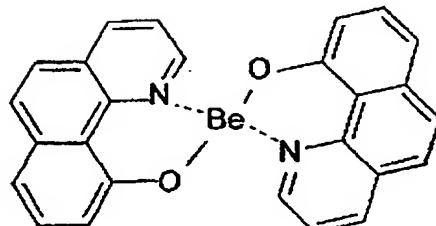


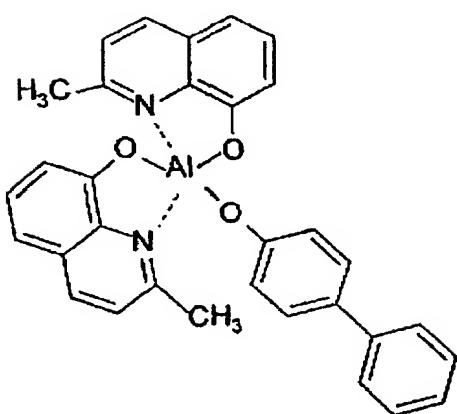
Fig. 8h



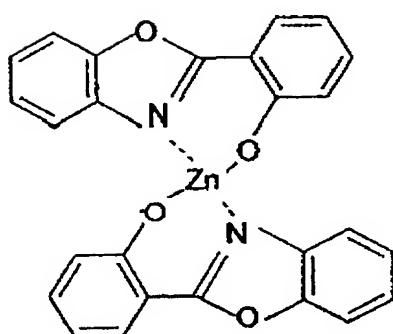
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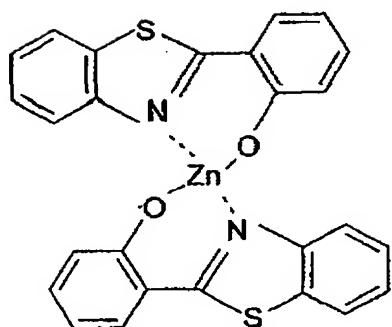
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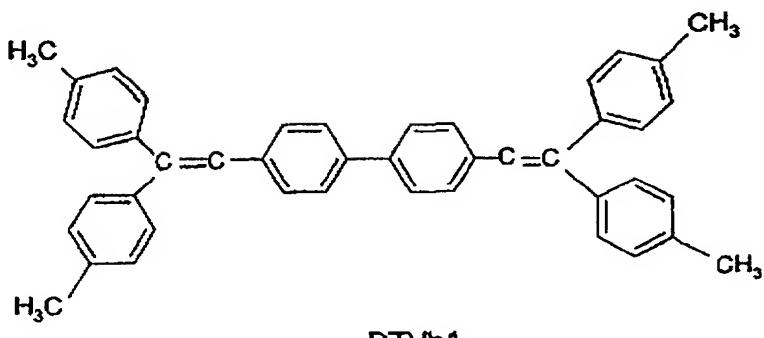
BA1q1



ZnPBO



ZnPBT



DTVb1

Fig. 9

10/20

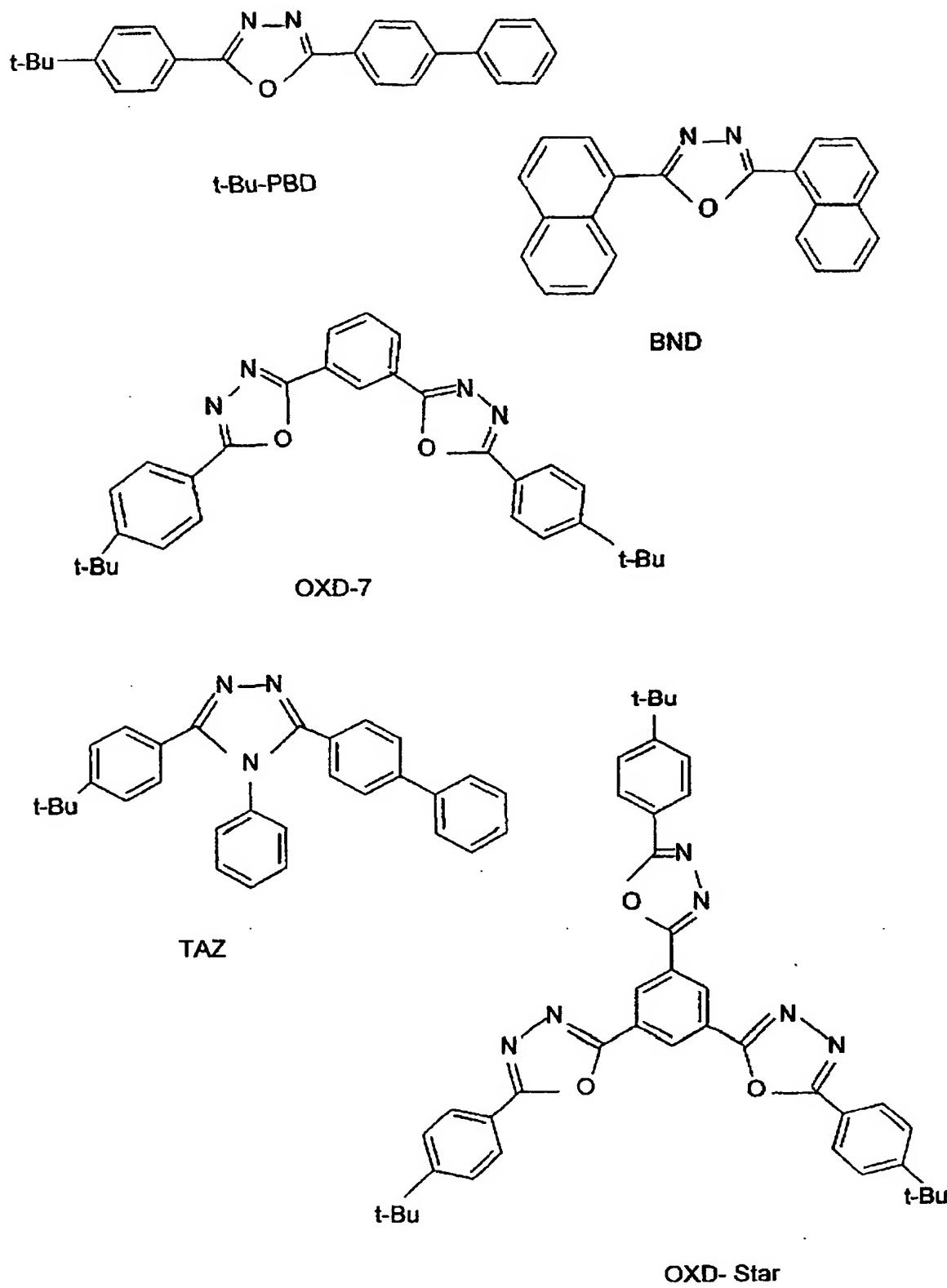
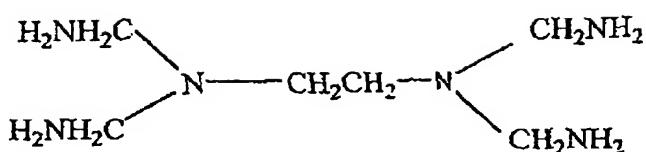
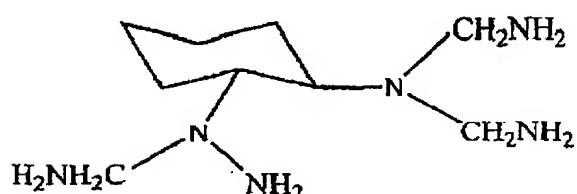


Fig. 10

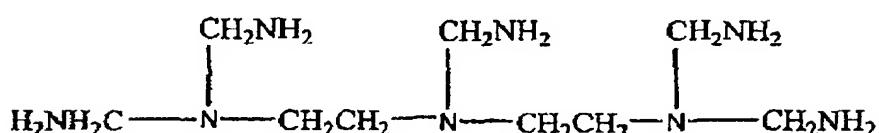
11/20



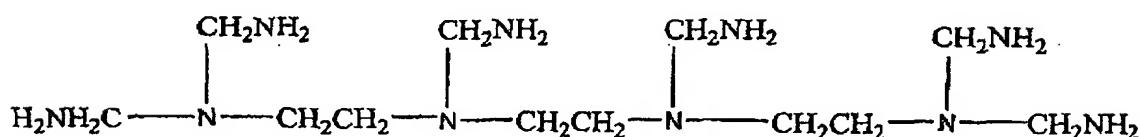
EDTA



DCTA



DTPA



TTHA

Fig. 11

12/20

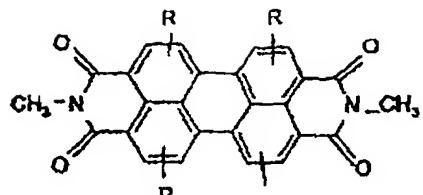


Fig. 12a

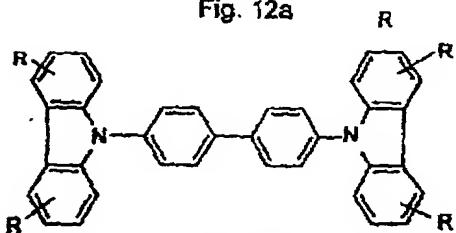


Fig. 12b

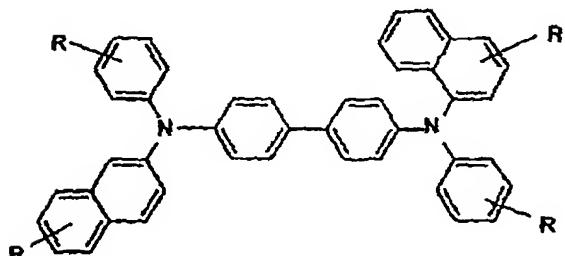


Fig. 12c

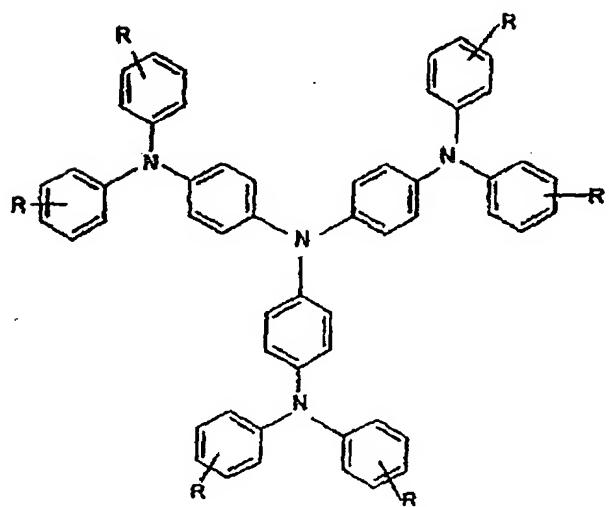


Fig. 12d

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13/20

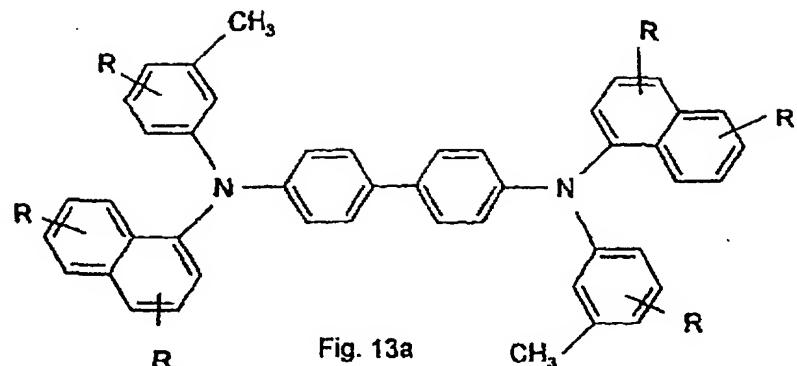


Fig. 13a

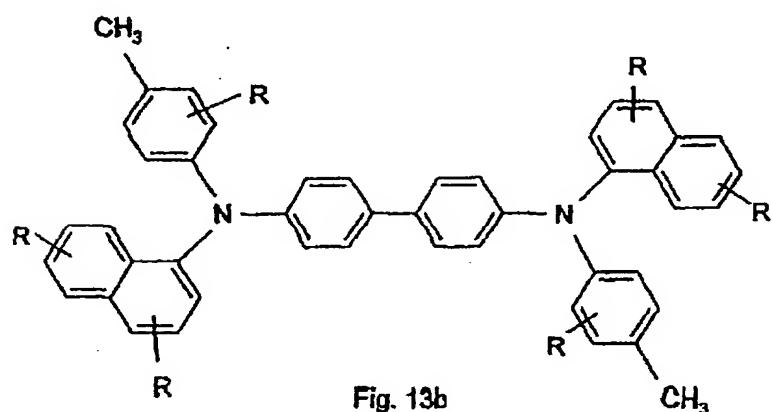


Fig. 13b

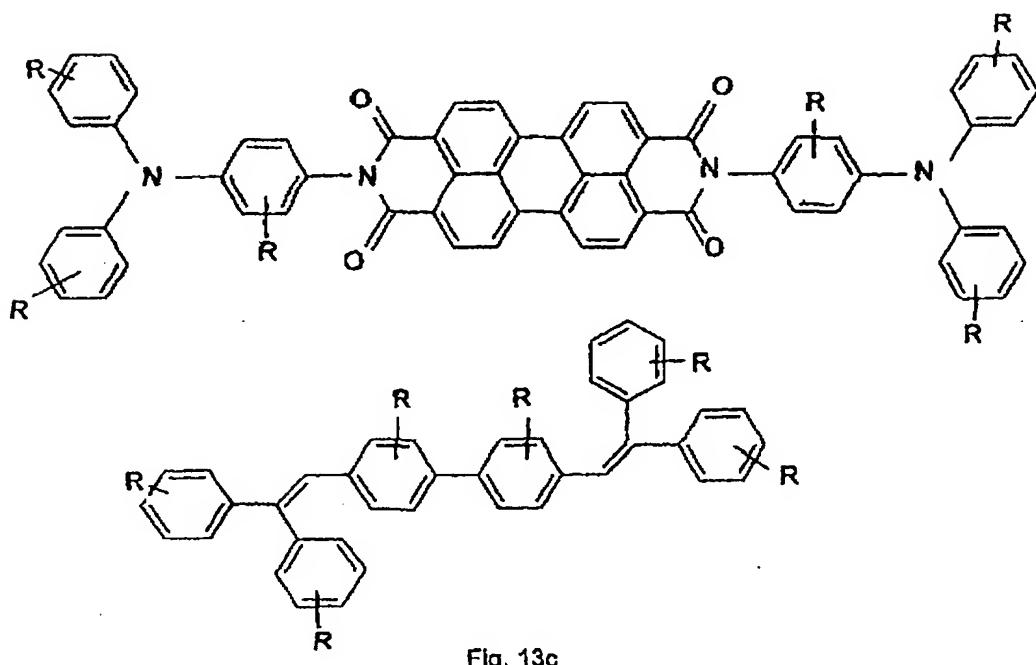
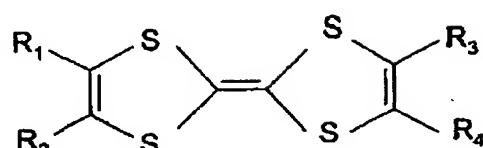
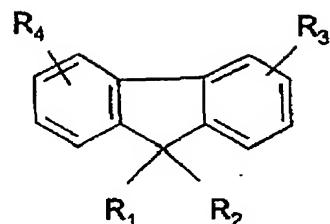
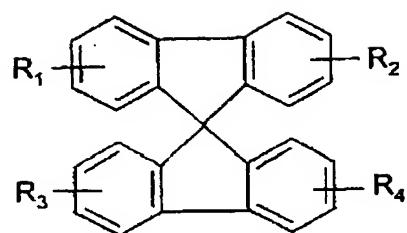


Fig. 13c

14/20



or

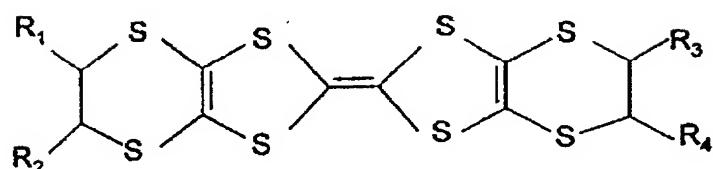


Fig. 14c

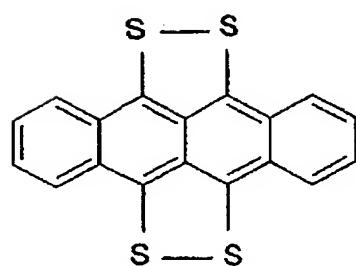


Fig. 14d

15/20

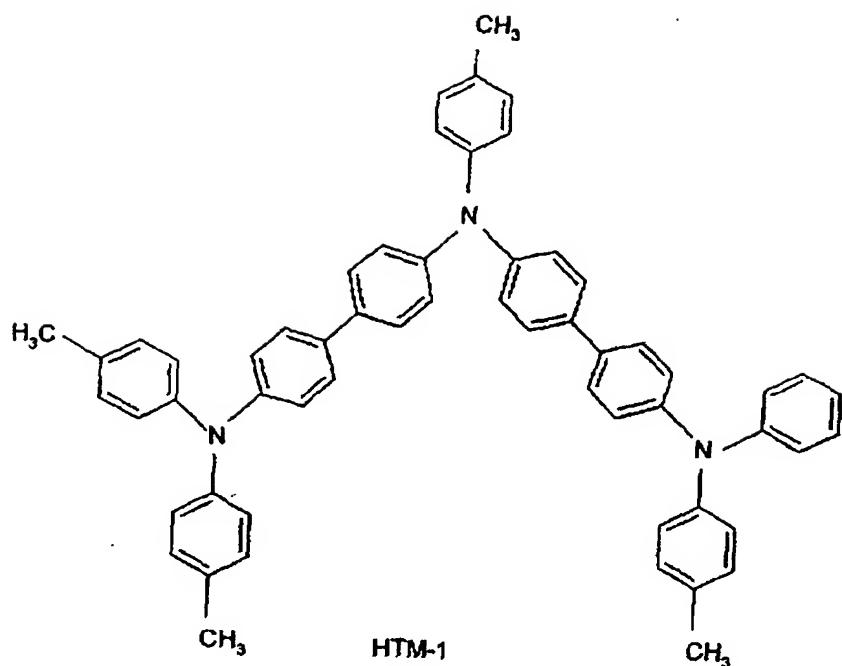


Fig. 15a

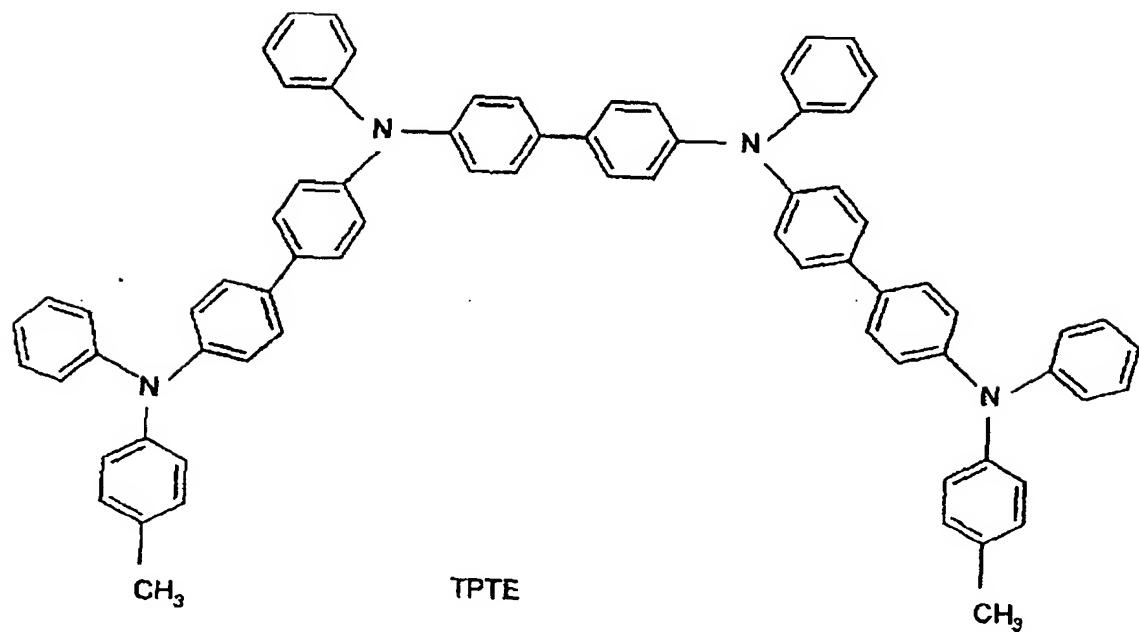
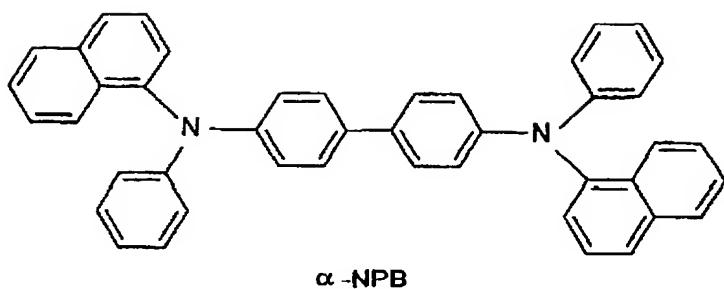


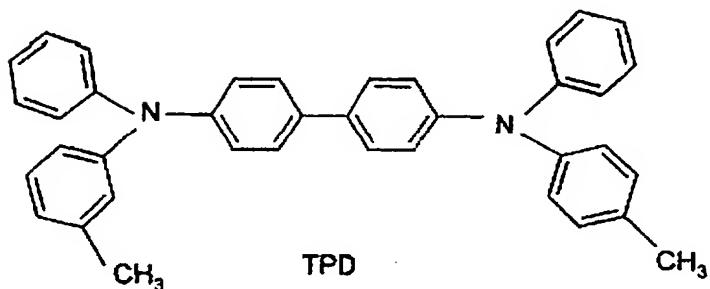
Fig. 15b

16/20



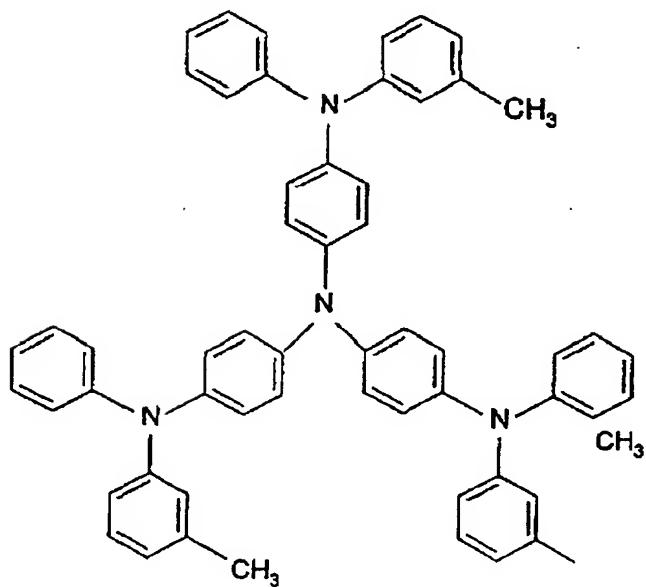
α -NPB

Fig. 16a



TPD

Fig. 16b



mTADATA

Fig. 16c

17/20

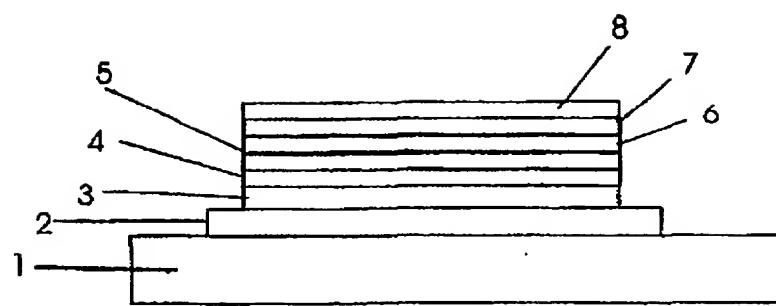
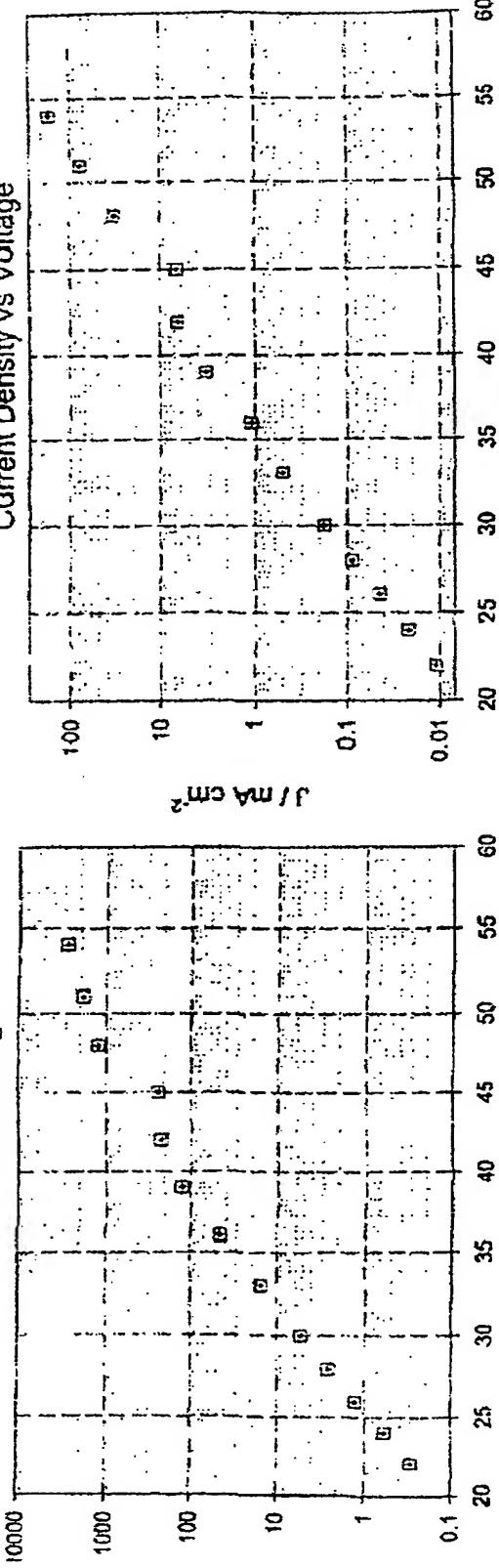


Fig. 17

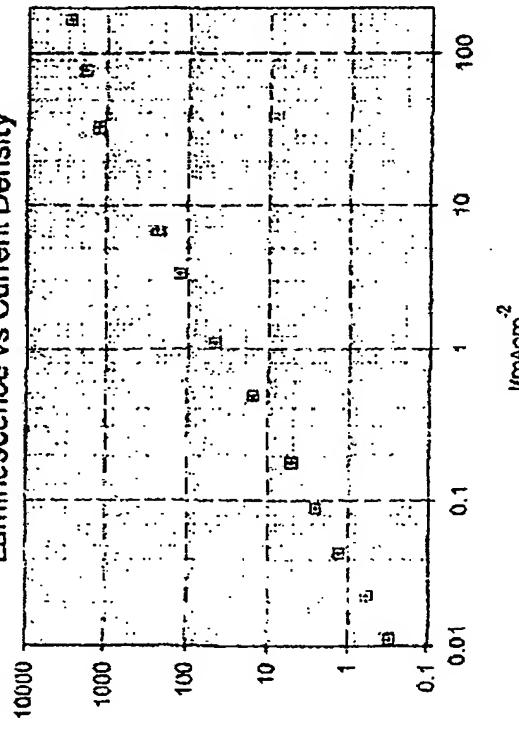
18/20

ITO(100 $\Omega/\text{sq}\text{cm}^2$)/CuPC (8 nm)/ α -NPB (40 nm)/CBP+Ir₂(diacac)₂(dpp)₂ (12%) (20 nm)/BCP (6 nm)/Alq₃ (20 nm)/LiF (0.7 nm)/Al

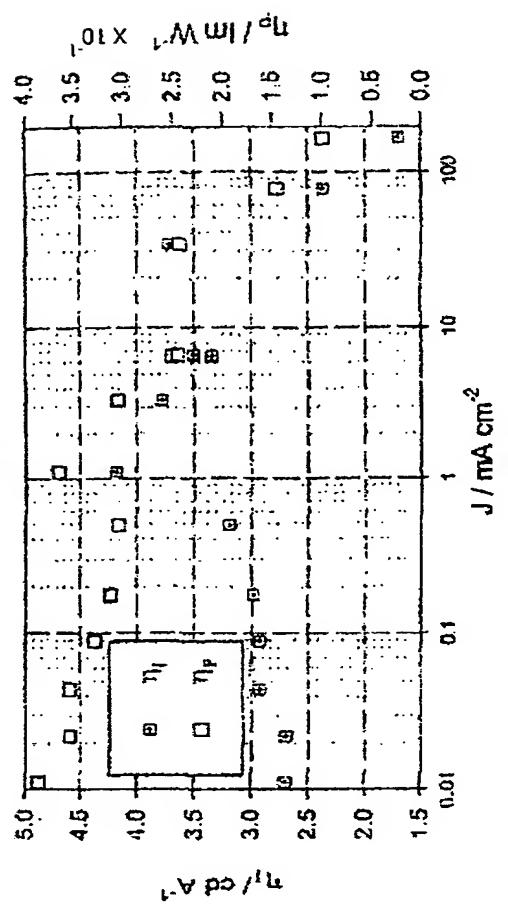
Luminescence vs Voltage



Luminescence vs Current Density



Current Efficiency vs Current Density



V/V

V/V

Fig. 18

19/20

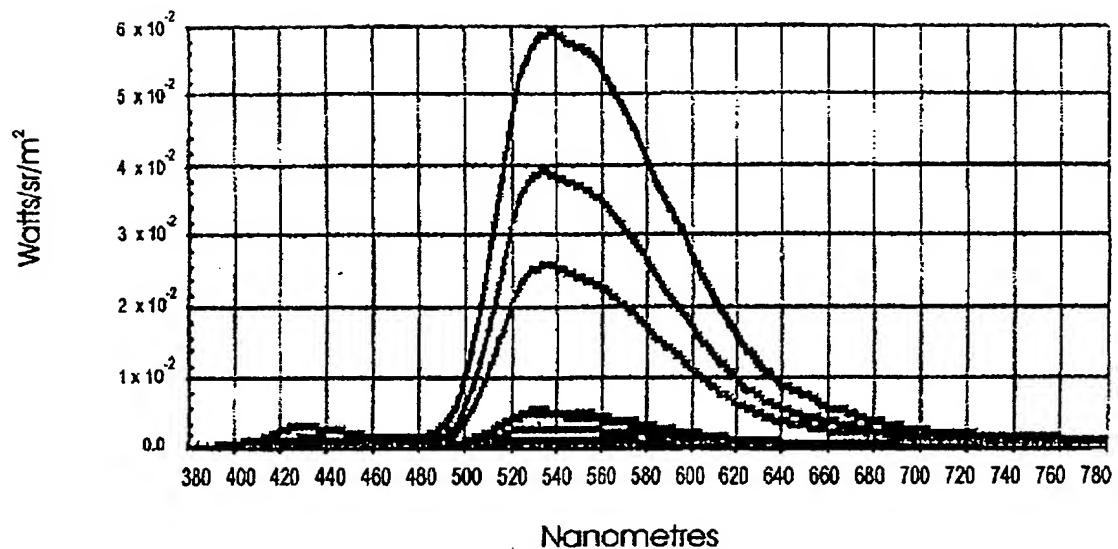


Fig. 19

20/20

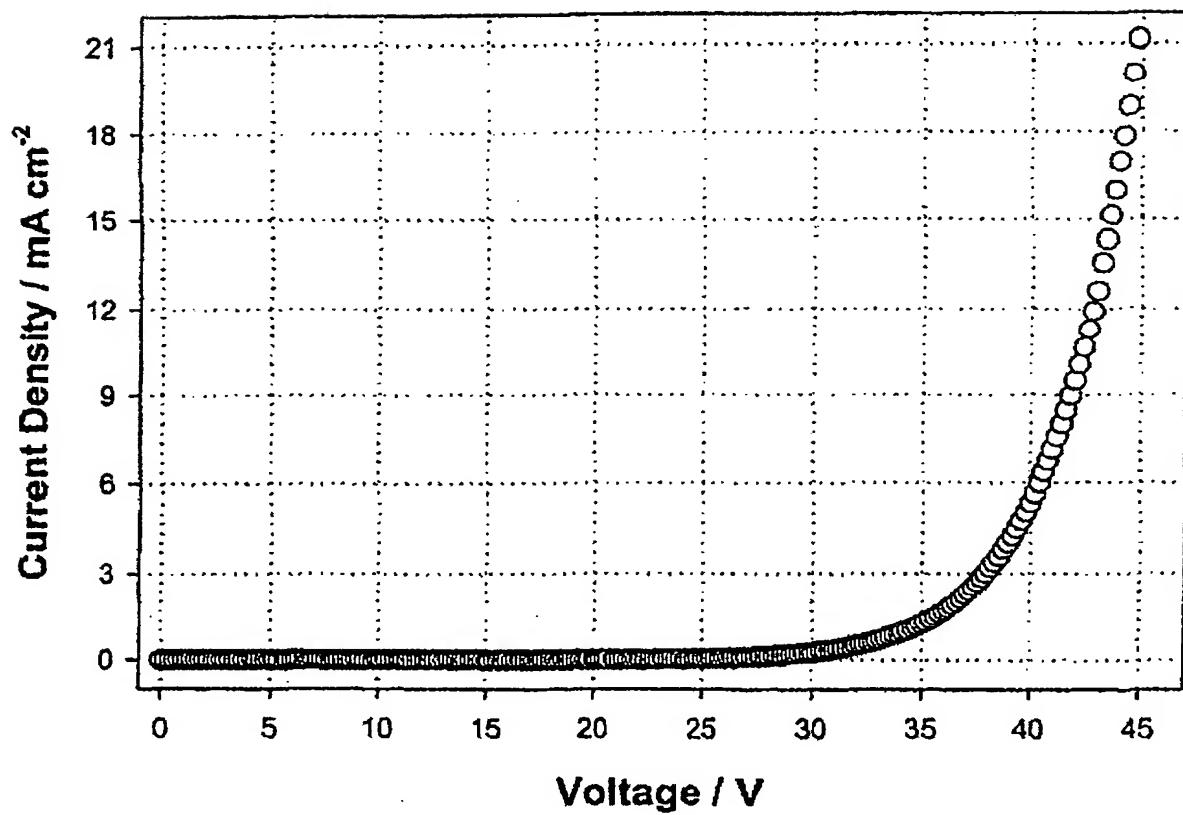
J vs V Characteristics

Fig. 20